

This listing of claims will replace all prior versions, and listings, of claims in the application:

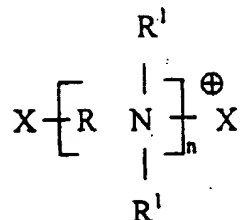
*OK to  
Enter*

Listing of Claims:

1. (Currently Amended) A biocidally synergistic mixture comprising THP[[,]] and at least one THP-compatible non-surfactant biopenetrant ~~and, optionally, a surfactant,~~ wherein said biopenetrant is a polymer or copolymer, having a plurality of quaternary ammonium groups, ~~an alkyl benzene or alkyl naphthalene sulphonate having less than 5 aliphatic carbon atoms, and/or a phosphono polycarboxylic acid~~ and the concentration of THP is from 10 to 75% by weight and the concentration of biopenetrant is from 0.1 to 10% by weight.

Claim 2 (Canceled).

*2/* 3. (Currently Amended) A composition according to claim 1 ~~comprising as~~ wherein said biopenetrant is a compound having a polymeric cation with a formula



wherein each R is a divalent organic group constituting, with the ammonium group, a monomeric residue, or is separately selected from two or more comonomeric residues and each R<sup>1</sup> is an alkyl or hydroxyalkyl group, X is hydrogen or a monovalent inorganic or organic end capping unit and n is from 2 to 3000.

Claims 4-12 (Cancelled)

3 13. (Previously Presented) A composition according to claim 1 consisting of an aqueous solution wherein the concentration of THP is from 30 to 50 % by weight of the solution and the concentration of non-surfactant biopenetrant synergist is from 0.5 to 2% by weight of the solution.

4 14. (Original) A composition according to claim 1 additionally comprising a surfactant.

5 ~~15~~. (Original) A composition according to claim <sup>4</sup>14 wherein the surfactant is present in a weight proportion of from 50:1 to 1:200 based on the weight of the THP.

Claims 16-17 (Canceled).

6 ~~18~~. (Currently Amended) A method for treating aqueous systems to ~~prevent~~, inhibit or ~~destroy~~ ~~remove~~ microbial contamination, which comprises adding thereto, together or separately, [[the]] a biocidally synergistic amount of mixture ~~comprising~~ THP, at least one THP-compatible non-surfactant biopenetrant and, optionally, a surfactant, wherein said biopenetrant comprises a polymer or copolymer, having a plurality of quaternary ammonium groups, ~~an alkyl benzene or alkyl naphthalene sulphonate having less than 5 aliphatic carbon atoms and/or a phosphono polycarboxylic acid~~ and the concentration of THP is from 10 to 75% by weight and the concentration of biopenetrant is from 0.1 to 10% by weight.

Claims 19-21 (Cancelled).

Appl. No. 09/582,152  
Reply to Office Action of April 9, 2003

22. (New) A method for treating aqueous systems to inhibit or destroy microbial contamination, which comprises adding thereto, together or separately, a biocidally synergistic amount of THP, at least one THP-compatible non-surfactant biopenetrant and, optionally, a surfactant, wherein said biopenetrant comprises a polymer or copolymer, having a plurality of quaternary ammonium groups.